## wherein A is

N\$30

R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup> and R<sup>6</sup> are each, independently, H, halogen, NO<sub>2</sub>,

C<sub>1-10</sub>- alkyl, optionally substituted by halogen up to perhaloalkyl,

C<sub>1-10</sub>-alkoxy, optionally substituted by halogen up to perhaloalkoxy,

C<sub>1-10</sub>- alkanoyl, optionally substituted by halogen up to perhaloalkanoyl,

 $C_{6-12}$  aryl, optionally substituted by  $C_{1-10}$  alkyl or  $C_{1-10}$  alkoxy, or

 $C_{5\text{-}12}\,$  hetaryl, optionally substituted by  $C_{1\text{-}10}\,$  alkyl or  $C_{1\text{-}10}\,$  alkoxy,

and either

one of  $R^3$ ,  $R^4$ ,  $R^5$  and  $R^6$  is  $-M-L^1$ ; or

two adjacent of  $R^3$ ,  $R^4$ ,  $R^5$  and  $R^6$  together are an aryl or hetaryl ring with 5-12 atoms, optionally substituted by  $C_{1-10}$ -alkyl, , halo-substituted  $C_{1-10}$ -alkyl up to perhaloalkyl,  $C_{1-10}$ -alkoxy, halo-substituted  $C_{1-10}$ -alkoxy up to perhaloalkoxy,  $C_{3-10}$ -cycloalkyl,  $C_{2-10}$ -alkenyl,  $C_{1-10}$ -alkanoyl,  $C_{6-12}$ -aryl,  $C_{5-12}$ -hetaryl;  $C_{6-12}$ -aralkyl,  $C_{6-12}$ -alkaryl, halogen;  $NR^1R^1$ ;  $-NO_2$ ;  $-CF_3$ ;  $-COOR^1$ ;  $-NHCOR^1$ ; -CN;  $-CONR^1R^1$ ;  $-SO_2R^2$ ;  $-SOR^2$ ;  $-SR^2$ ;

in which

 $R^1$  is H or  $C_{1-10}$ -alkyl, optionally substituted by halogen up to perhaloalkyl and  $R^2$  is  $C_{1-10}$ -alkyl, optionally substituted by halogen, up to perhaloalkyl,

2

BAYER 6 P1

 $\delta$ 

R<sup>3'</sup>, R<sup>4'</sup>, R<sup>5'</sup> and R<sup>6'</sup> are independently H, halogen,

 $C_1$  -  $C_{10}$  alkyl, optionally substituted by halogen up to perhaloalkyl,

 $C_1$  – $C_{10}$  alkoxy optionally substituted by halogen up to perhaloalkoxy or two adjacent of  $R^{3'}$ ,  $R^{4'}$ ,  $R^{5'}$  and  $R^{6'}$ , together with the base phenyl, form a naphthyl group, optionally substituted by halogen up to perhalo,  $C_{1-10}$  alkyl,  $C_{1-10}$  alkoxy,  $C_{3-10}$  cycloalkyl,  $C_{2-10}$  alkenyl,  $C_{1-10}$  alkanoyl,  $C_{6-12}$  aryl,  $C_{5-12}$  hetaryl or  $C_{6-12}$  aralkyl;

M is -CH<sub>2</sub>-, -S-, -N(CH<sub>3</sub>)-, -NHC(O)- -CH<sub>2</sub>-S-, -S-CH<sub>2</sub>-, -C(O)-, or -O-; and

 $L^1$  is phenyl, optionally substituted by  $C_{1-10}$ -alkyl,  $C_{1-10}$ -alkoxy, halogen, OH, -SCH<sub>3</sub>, NO<sub>2</sub> or,

Co MO

pyridyl, optionally substituted by  $C_{1\text{-}10}$ -alkyl,  $C_{1\text{-}10}$ -alkoxy, halogen, OH, -SCH<sub>3</sub>, or NO<sub>2</sub>, naphthyl, optionally substituted by  $C_{1\text{-}10}$ -alkyl,  $C_{1\text{-}10}$ -alkoxy, halogen, OH, -SCH<sub>3</sub> or NO<sub>2</sub>, pyridone, optionally substituted by  $C_{1\text{-}10}$ -alkyl,  $C_{1\text{-}10}$ -alkoxy, halogen, OH, -SCH<sub>3</sub> or NO<sub>2</sub>, pyrazine, optionally substituted by  $C_{1\text{-}10}$ -alkyl,  $C_{1\text{-}10}$ -alkoxy, halogen, OH, -SCH<sub>3</sub> or NO<sub>2</sub>, pyrimidine, optionally substituted by  $C_{1\text{-}10}$ -alkyl,  $C_{1\text{-}10}$ -alkoxy, halogen, OH, -SCH<sub>3</sub> or NO<sub>2</sub>, benzodioxane, optionally substituted by  $C_{1\text{-}10}$ -alkyl,  $C_{1\text{-}10}$ -alkoxy, halogen, OH, -SCH<sub>3</sub> or NO<sub>2</sub>, benzopyridine, optionally substituted by  $C_{1\text{-}10}$ -alkyl, one  $C_{1\text{-}10}$ -alkoxy, halogen, OH, -SCH<sub>3</sub> or NO<sub>2</sub>,

or

benzothiazole, optionally substituted by, C<sub>1-10</sub> alkyl C<sub>1-10</sub> alkoxy, halogen, OH, -SCH<sub>3</sub> or NO<sub>2</sub>

3

 $\hat{\rho}_{i}$ 

**BAYER 6 P1** 



3. (Amended) A compound according to claim 1, wherein

 $R^3$  is H, halogen or  $C_{1-10}$ - alkyl, optionally substituted by halogen, up to perhaloalkyl;

R<sup>4</sup> is H, halogen or NO<sub>2</sub>;

 $R^5$  is H, halogen or  $C_{1-10}$ - alkyl;

R<sup>6</sup> is H, C<sub>1-10</sub>- alkoxy, thiophene, pyrole or methyl substituted pyrole,

 $R^{3'}$  is H, halogen,  $C_{4-10}$ -alkyl, or  $CF_3$  and

R<sup>6'</sup> is H, halogen, CH<sub>3</sub>, CF<sub>3</sub> or -OCH<sub>3</sub>.

4. (Amended) A compound according to claim 1, wherein

 $R^{3'}$  is  $C_{4-10}$ -alkyl, Cl, F or  $CF_3$ ;

R<sup>4'</sup> is H, Cl or F;

 $R^{5'}$  is H, Cl, F or C<sub>4-10</sub>-alkyl; and

 $R^{6'}$  is H or OCH<sub>3</sub>.

- 5. (Amended) A compound according to claim 4, wherein R<sup>3</sup> or R<sup>5</sup> is t-butyl.
- 6. (Amended) A compound according to claim 1, wherein M is  $-CH_2$ -,  $-N(CH_3)$  or -NHC(O)-.
  - 7. (Amended) A compound according to claim 6, wherein  $L^1$  is phenyl or pyridyl.
  - 8. (Amended) A compound according to claim 1, wherein M is -O-.

by.

**BAYER 6 P1** 

- 9. (Amended) A compound according to claim 8, wherein  $L^1$  is phenyl, pyridyl pyridone or benzothiazole.
  - 10. (Amended) A compound according to claim 1, wherein M is -S-.
  - 11. (Amended) A compound according to claim 10, wherein L<sup>1</sup> is phenyl or pyridyl.
- 15. (Amended) A method for the treatment of a cancerous cell growth mediated by raf kinase, comprising administering a compound of formula II:

N860

or a pharmaceutically acceptable salt thereof wherein

A is

B is a substituted or unsubstituted, up to bicyclic aryl or heteroaryl moiety of up to 12 carbon atoms with at least one 6-member aromatic structure containing 0-4 members of the group consisting of nitrogen, oxygen and sulfur, wherein if B is substituted it is substituted by one or more substituents selected from the group consisting of halogen, up to per-halo, and  $W_n$ , wherein n is 0-3 and each W is independently selected from the group consisting of -CN,  $-CO_2R^7$ ,  $-C(O)NR^7R^7$ ,

-C(O)-R<sup>7</sup>, -NO<sub>2</sub>, -OR<sup>7</sup>, - SR<sup>7</sup>, - NR<sup>7</sup>R<sup>7</sup>, -NR<sup>7</sup>C(O)OR<sup>7</sup>, -NR<sup>7</sup>C(O)R<sup>7</sup>, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>1</sub>-C<sub>10</sub> alkenoyl, C<sub>1</sub>-C<sub>10</sub> alkoxy, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>6</sub>-C<sub>14</sub> aryl, optionally substituted with halogen, C<sub>1</sub>-C<sub>10</sub> alkyl, or C<sub>1</sub>-C<sub>10</sub> alkoxy; C<sub>7</sub>-C<sub>24</sub> alkaryl, optionally substituted with halogen, C<sub>1</sub>-C<sub>10</sub> alkyl, or C<sub>1</sub>-C<sub>10</sub> alkoxy; C<sub>3</sub>-C<sub>13</sub> heteroaryl, optionally substituted with halogen, C<sub>1</sub>-C<sub>10</sub> alkyl, or C<sub>1</sub>-C<sub>10</sub> alkoxy; C<sub>4</sub>-C<sub>23</sub> alkheteroaryl, optionally substituted with halogen, C<sub>1</sub>-C<sub>10</sub> alkyl, or C<sub>1</sub>-C<sub>10</sub> alkoxy; C<sub>4</sub>-C<sub>23</sub> alkheteroaryl, optionally substituted with halogen, C<sub>1</sub>-C<sub>10</sub> alkyl, or C<sub>1</sub>-C<sub>10</sub> alkoxy; C<sub>4</sub>-C<sub>23</sub> alkheteroaryl, optionally substituted with halogen, C<sub>1</sub>-C<sub>10</sub> alkyl, or C<sub>1</sub>-C<sub>10</sub> alkoxy; C<sub>4</sub>-C<sub>23</sub> alkheteroaryl, optionally substituted with halogen, C<sub>1</sub>-C<sub>10</sub> alkyl, or C<sub>1</sub>-C<sub>10</sub> alkoxy; C<sub>4</sub>-C<sub>23</sub> alkheteroaryl, optionally substituted with halogen, C<sub>1</sub>-C<sub>10</sub> alkyl, or C<sub>1</sub>-C<sub>10</sub> alkoxy; C<sub>4</sub>-C<sub>23</sub> alkheteroaryl, optionally substituted with halogen, C<sub>1</sub>-C<sub>10</sub> alkyl, or C<sub>1</sub>-C<sub>10</sub> alkoxy; C<sub>4</sub>-C<sub>23</sub> alkheteroaryl, optionally substituted with halogen, C<sub>1</sub>-C<sub>10</sub> alkyl, or C<sub>1</sub>-C<sub>10</sub> alkoxy; C<sub>4</sub>-C<sub>23</sub> alkheteroaryl, optionally substituted with halogen, C<sub>1</sub>-C<sub>10</sub> alkyl, or C<sub>1</sub>-C<sub>10</sub> alkoxy; C<sub>4</sub>-C<sub>23</sub> alkheteroaryl, optionally substituted with halogen, C<sub>1</sub>-C<sub>10</sub> alkyl, or C<sub>1</sub>-C<sub>10</sub> alkoxy; C<sub>4</sub>-C<sub>23</sub> alkheteroaryl, optionally substituted with halogen, C<sub>1</sub>-C<sub>10</sub> alkyl, or C<sub>1</sub>-C<sub>10</sub> alkoxy; C<sub>4</sub>-C<sub>23</sub> alkheteroaryl, optionally substituted with halogen, C<sub>1</sub>-C<sub>10</sub> alkyl, or C<sub>1</sub>-C<sub>10</sub> alkyl

8

BAYER 6 P1

 $C_{10}$  alkyl, or  $C_1$ - $C_{10}$  alkoxy; substituted  $C_1$ - $C_{10}$  alkyl, substituted  $C_2$ - $C_{10}$  alkenyl, substituted  $C_1$ - $C_{10}$  alkoxy, substituted  $C_3$ - $C_{10}$  cycloalkyl, substituted  $C_4$ - $C_{23}$  alkheteroaryl and -M- $L^1$ ;

wherein if W is a substituted group which does not contain aryl or hetaryl moieties, it is substituted by one or more substituents independently selected from the group consisting of – CN,  $-CO_2R^7$ ,  $-C(O)R^7$ ,  $-C(O)NR^7R^7$ ,  $-OR^7$ ,  $-SR^7$ ,  $-NR^7R^7$ ,  $NO_2$ ,  $-NR^7C(O)R^7$ ,  $-NR^7C(O)OR^7$  and halogen up to per-halo;

wherein each R<sup>7</sup> is independently selected from H, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>6</sub>-C<sub>14</sub> aryl, C<sub>3</sub>-C<sub>13</sub> hetaryl, C<sub>7</sub>-C<sub>24</sub> alkaryl, C<sub>4</sub>-C<sub>23</sub> alkheteroaryl, up to perhalosubstituted C<sub>1</sub>-C<sub>10</sub> alkyl, up to per-halosubstituted C<sub>2</sub>-C<sub>10</sub> alkenyl, up to per-halosubstituted C<sub>3</sub>-C<sub>10</sub> cycloalkyl, up to per-halosubstituted C<sub>6</sub>-C<sub>14</sub> aryl and up to per-halosubstituted C<sub>3</sub>-C<sub>13</sub> hetaryl,

wherein Q M is - O-, -S-, -N(R<sup>7</sup>)-, -(CH<sub>2</sub>)-m, -C(O)-, -CH(OH)-, -(CH<sub>2</sub>)mO-, -NR<sup>7</sup>C(O) NR<sup>7</sup>R<sup>7</sup>-, -NR<sup>7</sup>C(O)-, -C(O)NR<sup>7</sup>-, -(CH<sub>2</sub>)mS-, -(CH<sub>2</sub>)mN(R<sup>7</sup>)-, -O(CH<sub>2</sub>)m-, -CHX<sup>a</sup>, -CX<sup>a</sup><sub>2</sub>-, -S-(CH<sub>2</sub>)m- and -N(R<sup>7</sup>)(CH<sub>2</sub>)m-,

m = 1-3, and  $X^a$  is halogen; and

 $L^1$  is a 5-10 member aromatic structure containing 0-2 members of the group consisting of nitrogen, oxygen and sulfur, which is unsubstituted or substituted by halogen up to per-halo and optionally substituted by  $Z_{n1}$ , wherein  $n_1$  is 0 to 3 and each Z is independently selected from the group consisting of -CN, -CO<sub>2</sub>R<sup>7</sup>,

 $-C(O)NR^7R^7$ ,  $-C(O)-NR^7$ ,  $-NO_2$ ,  $-OR^7$ ,  $-SR^7$ ,  $-NR^7R^7$ ,  $-NR^7C(O)OR^7$ ,  $-C(O)R^7$ ,

-NR $^7$ C(O)R $^7$ , C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>6</sub>-C<sub>14</sub> aryl, C<sub>3</sub>-C<sub>13</sub> hetaryl, C<sub>7</sub>-C<sub>24</sub> alkaryl, C<sub>4</sub>-C<sub>23</sub> alkheteroaryl, substituted C<sub>1</sub>-C<sub>10</sub> alkyl, substituted C<sub>3</sub>-C<sub>10</sub> cycloalkyl, substituted C<sub>7</sub>-C<sub>24</sub> alkaryl and substituted C<sub>4</sub>-C<sub>23</sub> alkheteroaryl; wherein the one or more substituents of Z is selected from the group consisting of -CN, -CO<sub>2</sub>R $^7$ ,

-C(O)NR $^7$ R $^7$ , -OR $^7$ , -SR $^7$ , -NO $_2$ , -NR $^7$ R $^7$ , -NR $^7$ C(O)R $^7$  and -NR $^7$ C(O)OR $^7$ ,

wherein R<sup>3'</sup>, R<sup>4'</sup>, R<sup>5'</sup> and R<sup>6'</sup> are each independently H, halogen, C<sub>1-10</sub>-alkyl, optionally substituted by halogen up to perhaloalkyl,

8

BAYER 6 P1

 $C_1$  – $C_{10}$  alkoxy, optionally substituted by halogen up to perhaloalkoxy or two adjacent of  $R^{3'}$ ,  $R^{4'}$ ,  $R^{5'}$  and  $R^{6'}$  together with the base phenyl, form a naphthyl group, optionally substituted by halogen up to perhalo,  $C_{1-10}$  alkyl,  $C_{1-10}$  alkoxy,  $C_{3-10}$  cycloalkyl,  $C_{2-10}$  alkenyl,  $C_{1-10}$  alkanoyl,  $C_{6-12}$  aryl,  $C_{5-12}$  hetaryl or  $C_{6-12}$  aralkyl.

16. (Amended) A method for the treatment of a cancerous cell growth mediated by raf kinase, comprising administering a compound of formula IIa:

$$R^4$$
 $R^5$ 
 $R^6$ 
 $R^6$ 
 $R^6$ 

IIa

wherein A is



**BAYER 6 P1** 



R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup> and R<sup>6</sup> are each independently H, halogen, NO<sub>2</sub>,

C<sub>1-10</sub>- alkyl, optionally substituted by halogen up to perhaloalkyl,

C<sub>1-10</sub>-alkoxy, optionally substituted by halogen up to perhaloalkoxy,

C<sub>1-10</sub>- alkanoyl, optionally substituted by halogen up to perhaloalkanoyl,

 $C_{6-12}$  aryl, optionally substituted by  $C_{1-10}$  alkyl or  $C_{1-10}$  alkoxy, or

 $C_{5-12}$  hetaryl, optionally substituted by  $C_{1-10}$  alkyl or  $C_{1-10}$  alkoxy,

and either

one of  $R^3$ ,  $R^4$ ,  $R^5$  and  $R^6$  is  $-M-L^1$ ; or

two adjacent of  $R^3$ ,  $R^4$ ,  $R^5$  and  $R^6$  together are an aryl or hetaryl ring with 5- 12 atoms, optionally substituted by  $C_{1-10}$ -alkyl, halo-substituted  $C_{1-10}$ -alkyl up to perhaloalkyl,  $C_{1-10}$ -alkoxy, halo-substituted  $C_{1-10}$ -alkoxy up to perhaloalkoxy,  $C_{3-10}$ -cycloalkyl,  $C_{2-10}$ -alkenyl,  $C_{1-10}$ -alkanoyl;  $C_{6-12}$ -aryl,  $C_{5-12}$ -hetaryl,  $C_{6-12}$ -alkaryl, halogen; -NR $^1R^1$ ; -NO $_2$ ; -CF $_3$ ;-COOR $^1$ ; -NHCOR $^1$ ; -CN; -CONR $^1R^1$ ; -SO $_2R^2$ ; -SOR $^2$ ; -SR $^2$ ;

in which

R1 is H or C1-10-alkyl, optionally substituted by halogen, up to perhalo and

 $R^2$  is  $C_{1-10}$ -alkyl, optionally substituted by halogen,

 $R^{3'}$ ,  $R^{4'}$ ,  $R^{5'}$  and  $R^{6'}$  are independently H, halogen,

C<sub>1</sub> - C<sub>10</sub> alkyl, optionally substituted by halogen up to perhaloalkyl,

BO

**BAYER 6 P1** 

 $C_1$  – $C_{10}$  alkoxy optionally substituted by halogen up to perhaloalkoxy or two adjacent of  $R^{3'}$ ,  $R^{4'}$ ,  $R^{5'}$  and  $R^{6'}$ , together with the base phenyl, form a naphthyl group optionally substituted by halogen up to perhalo,  $C_{1-10}$  alkyl,  $C_{1-10}$  alkoxy,  $C_{3-10}$  cycloalkyl,  $C_{2-10}$  alkenyl,  $C_{1-10}$  alkanoyl,  $C_{6-12}$  aryl,  $C_{5-12}$  hetaryl or  $C_{6-12}$  aralkyl, halogen up to perhalo;

M is 
$$-CH_2$$
-,  $-S$ -,  $-N(CH_3)$ -,  $-NHC(O)$ -  $-CH_2$ -S-,  $-S$ - $-CH_2$ -,  $-C(O)$ -, or  $-O$ -; and

 $L^1$  is phenyl, pyridyl, naphthyl, pyridone, pyrazine, pyrimidine, benzodiaxane, benzopyridine or benzothiazole, each optionally substituted by  $C_{1-10}$ -alkyl,  $C_{1-10}$ -alkoxy, halogen, OH, -SCH<sub>3</sub>, NO<sub>2</sub> or, where Y is phenyl, by

Malo

$$-N$$

or a pharmaceutically acceptable salt thereof.

17. (Amended) A method according to claim 16, wherein

 $R^3$  is halogen or  $C_{1-10}$ - alkyl, optionally substituted by halogen, up to perhaloalkyl;

R<sup>4</sup> is H, halogen or NO<sub>2</sub>;

 $R^5$  is H, halogen or  $C_{1-10}$ - alkyl;

R<sup>6</sup> is H, C<sub>1-10</sub>- alkoxy, thiophene, pyrole or methylsubstituted pyrole

 $R^{3'}$  is H, halogen,  $C_{4\text{-}10}$ -alkyl, or  $CF_3$  and

 $R^{6'}$  is H, halogen,  $CH_3$ ,  $CF_3$  or  $OCH_3$ .



BAYER 6 P1

- 18. (Amended) A method according to claim 16, wherein M is -CH<sub>2</sub>- ,-S-,  $N(CH_3)$  or -NHC(O)- and  $L^1$  is phenyl or pyridyl.
- 19. (Amended) A method according to claim 16, wherein M is -O- and  $L^1$  is phenyl, pyridone, pyrimidine, pyridyl or benzothiazole.

 $\hat{\beta}_{\mathcal{J}}$ 

BAYER 6 P1